

IN THE SPECIFICATION

Please amend the specification as follows:

Please replace the paragraph beginning at page 33, line 13 with the following:

--As the molecular controlling agent and the end capping agent, compounds having one active group such as ~~benzyl phosphonate diethyl~~ diethyl benzylphosphonate or benzaldehyde can be mentioned.—

Please replace the paragraph beginning at page 41, line 4 with the following:

--A polymer 1 was prepared by: placing 0.852 g (2.70 mmol) of the dialdehyde illustrated above and 1.525 g (2.70 mmol) of the diphosphonate illustrated above in a 100 ml four-neck flask; performing nitrogen gas replacement; adding 75 ml of tetrahydrofuran to the mixture; to the solution, dropping 6.75 ml (6.75 mmol) of a tetrahydrofuran solution of 1.0 mol dm⁻³ of potassium t-butoxide; stirring the solution for two hours at room temperature; adding ~~benzyl phosphonate diethyl~~ diethyl benzylphosphonate and benzaldehyde to the resultant in this order: further stirring for another two hours; adding about 1 ml of acetic acid to the resultant; after finishing the reaction, washing the solution with water; evaporating the solution to eliminate the solvent under reduced pressure; and then reprecipitating the resultant by dissolving the resultant in a tetrahydrofuran and methanol solution for purification thereof. The weight of the thus obtained polymer 1 was 1.07 g and the yield thereof was 73%.--

Please replace the paragraph beginning at page 50, line 2 with the following:

-- A polymer 10 was prepared by: placing 0.872 g of the dialdehyde illustrated above, 1.002 g (2.65 mmol) of the diphosphonate illustrated above and 28.1 mg (0.265 mmol) of benzaldehyde in a 300 ml four-neck flask; performing nitrogen gas replacement; adding 200 ml of tetrahydrofuran to the mixture; to the solution, dropping 8.00 ml (8.00 mmol) of a 1.0 mol dm⁻³ tetrahydrofuran solution of potassium t-butoxide; stirring the solution for half an hour at room temperature; refluxing the solution for one and a half hours; adding 60.5 mg (0.265 mmol) of ~~benzyl phosphonate diethyl~~ diethyl benzylphosphonate to the resultant: further refluxing the solution for an hour; subsequent to cooling, adding about 1 ml of acetic acid to the resultant; after the reaction, dropping the reactant solution into about 700 ml of water; and suction-filtrating the resultant. The amount of the thus obtained polymer 10 was 0.83 g and the yield thereof was 79%.--